		<u> </u>	
A. CLASSIFICATION OF SUBJECT MATTER Int.Cl ⁷ H04B1/707			
According to International Patent Classification (IPC) or to both national classification and IPC			
B. FIELDS SEARCHED			
Minimum documentation searched (classification system followed by classification symbols) Int.Cl ⁷ H04B1/69-1/713, H04J13/00-13/06			
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched			
Jitsuyo Shinan Koho 1926-1996 Toroku Jitsuyo Shinan Koho 1994-2003 Kokai Jitsuyo Shinan Koho 1971-2003 Jitsuyo Shinan Toroku Koho 1996-2003			
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)			
C. DOCUMENTS CONSIDERED TO BE RELEVANT			
Category*	Citation of document, with indication, where ap	propriate, of the relevant passages	Relevant to claim No.
A		c Industry Co.,	1-9
	Ltd.), 25 February, 2000 (25.02.00),	,	
	Full text		
	(Family: none)		
A	WO 97/39545 A1 (NTT Mobile C	Communications Network	1-9
	Inc.), 23 October, 1997 (23.10.97),		
	Full text	2250700 72	
		3358782 B2 3417521 B2	
	& KR 99022806 A	321865 B	
	& EP 833472 A1 & US & CA 2224271 C	6034952 A	
Further documents are listed in the continuation of Box C. See patent family annex.			
* Special categories of cited documents: "T" later document published after the international filing date or document defining the general state of the art which is not priority date and not in conflict with the application but cited to			
"E" earlier document but published on or after the international filing "X" doc			claimed invention cannot be
date considered novel or cannot be considered to involve an in "L" document which may throw doubts on priority claim(s) or which is step when the document is taken alone			
special	establish the publication date of another citation or other reason (as specified)	"Y" document of particular relevance; the considered to involve an inventive step	when the document is
"O" document referring to an oral disclosure, use, exhibition or other means		combined with one or more other such documents, such combination being obvious to a person skilled in the art	
"P" document published prior to the international filing date but later "&" document member of the same patent family than the priority date claimed			
Date of the actual completion of the international search 17 July, 2003 (17.07.03)		Date of mailing of the international search report 29 July, 2003 (29.07.03)	
1/0	ury, 2003 (17.07.03)	29 JULY, 2003 (29.0	11.03)
Name and mailing address of the ISA/		Authorized officer	
Japanese Patent Office			
Facsimile No.		Telephone No.	